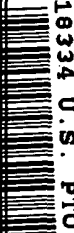


09/17/03

 16334 U.S. PTO	<b>UTILITY PATENT APPLICATION TRANSMITTAL</b> (Only for new nonprovisional applications under 37 CFR 1.53(b))		Attorney Docket No.	031014	Total Pages	
	First Named Inventor or Application Identifier					
	Takuya SAITOU, Yoshinobu SUGIHARA and Shigeru TAKEZAWA					
	Express Mail Label No.					

Check Box, if applicable [ ] Duplicate

APPLICATION ELEMENTS FOR:  
**NUMERIC VALUE SEARCH APPARATUS AND NUMERIC  
VALUE SEARCH METHOD**

ADDRESS TO: Commissioner for Patents  
MAIL STOP PATENT APPLICATION  
P. O. Box 1450  
Alexandria, VA 22313-1450

1. ☒ Fee Transmittal Form (Incorporated within this form)  
(Submit an original and a duplicate for fee processing)
2. ☒ Specification Total Pages [34 ]
3. ☒ Drawing(s) (35 USC 113) Total Sheets [13]
4. ☒ Oath or Declaration Total Pages [ 2 ]
- a. ☒ Newly executed (original)
- b. ☐ Copy from prior application (37 CFR 1.63(d)  
(for continuation/divisional with Box 17 completed).
- i. ☐ Deletion of Inventor(s)  
Signed statement attached deleting inventor(s) named in prior application,  
see 37 CFR 1.63(d)(2) and 1.33(b).
5. ☐ Incorporation by reference (useable if box 4b is checked)  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under  
Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby  
incorporated by reference therein.
6. ☐ Microfiche Computer Program (Appendix)
7. ☐ Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
- a. ☐ Computer Readable Copy
- b. ☐ Paper Copy (identical to computer copy)
- c. ☐ Statement Verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

8. ☒ Assignment Papers (cover sheet and documents) to: YOKOGAWA ELECTRIC CORPORATION, Tokyo, Japan  
**Please publish the assignee data with the application.**
9. ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☒ Power of Attorney

17958 U.S. PTO  
10/663711  
09/17/03

# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications  
under 37 CFR 1.53(b))

Attorney Docket No. **031014**

First Named Inventor or Application Identifier

**Takuya SAITOU, Yoshinobu SUGIHARA and  
Shigeru TAKEZAWA**

**PAGE 2 OF 3**

10. ☐ English translation Document (if applicable)
11. ☒ Information Disclosure Statement ☒ Copies of IDS Citations (PTO-1449 w/1 ref.)
12. ☒ Preliminary Amendment
13. ☒ Return Receipt Postcard (MPEP 503)
14. ☐ Small Entity Status is claimed.
15. ☒ Claim for Convention Priority ☒ Certified copies of Priority Documents are enclosed.
- Priority of Japanese application No. 2002-280192 filed on September 26, 2002 is claimed under 35 USC 119; and  
Priority of Japanese application No. 2003-150219 filed on May 28, 2003 is claimed under 35 USC 119.
16. ☐ Other \_\_\_\_\_
17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:
- ☐ Continuation ☐ Division ☐ Continuation-in-part (CIP) of prior application no. \_\_\_\_/\_\_\_\_

FEE TRANSMITTAL	Number Filed	Number Extra	Rate	Basic Fee
The filing fee is calculated below				\$750.00
Total Claimsq	20 - 20		x \$18.00	
Independent Claims	4 - 3	1	x \$84.00	84.00
Multiple Dependent Claims			\$280.00	280.00
Basic Filing Fee				1114.00
Reduction by 1/2 for small entity				
Fee for recording enclosed Assignment			\$40.00	40.00
TOTAL				1154.00

**UTILITY PATENT  
APPLICATION TRANSMITTAL**

(Only for new nonprovisional applications  
under 37 CFR 1.53(b))

Attorney Docket No.

**031014**

First Named Inventor or Application Identifier

**Takuya SAITOU, Yoshinobu SUGIHARA and  
Shigeru TAKEZAWA**

**PAGE 3 OF 3**

[XX] A check in the amount of \$ 1,154.00 is enclosed to cover the filing fee. (\$750.00 for basic filing fee; \$84.00 for 1 additional independent claim; \$280.00 for multiple dependent claims and \$40.00 for the assignment recordation fee).

[ ] Please charge our Deposit Account No. **01-2340** in the total amount of \_\_\_\_\_ to cover the filing fee and the \_\_\_\_\_ assignment recordation fee. A duplicate of this sheet is attached.

[XX] The Commissioner is hereby authorized to charge payment for any additional filing fees required under 37 CFR 1.16 or credit any overpayment to Deposit Account No. **01-2340**. A duplicate of this sheet is attached.

**18. CORRESPONDENCE ADDRESS:**



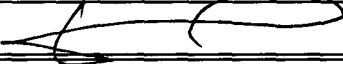
**23850**

PATENT TRADEMARK OFFICE

**SUBMITTED BY**

Typed or Printed Name **Ken-Ichi Hattori**

Reg. No. **32,861**

Signature 

Date: **September 17, 2003**

KH/yap

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Fax: (202) 887-0357